

USCMS Engineer Status Report for October 2003

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1 Work Performed This Month

- Prepared following CMS Projects releases: - IGNOMINY: It is a new SCRAM-Based project and it is collection of static and dynamic software quality insurance tools e.g. ignominy, igprof, toolchecker. In last month we have released following versions of this IGNOMINY_1.0.0, IGNOMINY_1.1.0, IGNOMINY_1.1.1, IGNOMINY_1.2.0
 - IGUANA: IGUANA_4.3.0, IGUANA_4.4.0_pre1, IGUANA_4.4.0_pre2, IGUANA_4.4.0_pre3, IGUANA_4.4.0
 - IGUANACMS: IGUANACMS_1.0.0_pre1 IGUANACMS_1.0.0_pre2
 - OSCAR: OSCAR_2.4.1_pre3, OSCAR_2.4.1, OSCAR_2.4.2, OSCAR_2.4.3, OSCAR_2.4.4_pre1, OSCAR_2.4.4
 - Moved ignominy from IGUANA to a new SCRAM-based project IGNOMINY. It is a dependency analysis tool to determine the package dependency b/w different software packages. Now it is easy to use, IGNOMINY itself provide the configuration of different projects (e.g. COBRA, IGUANA, OSCAR). We have successfully tested it for IGUANA, OSCAR and COBRA. ORCA is also going to use it soon. New command-line options are now also added to this tool to generate different sets of diagrams.
- A new tool toolchecker is now also available. It is a perl script and available in IGNOMINY. It works on your SCRAM-based development area and checks all the tools configured for your SCRAM-based project. It tries and compile test programs for each external tools you have setup for your project and checks if there are any unresolved symbols left. It can also test the packages of your project to see if one can directly use that package

without knowing what else that package depend on. It can also check the X11 and OpenGL libraries you are using and suggests if something can be improved.

- Using the tool checker we have found a lot of missing dependency in the CMS configuration and those are fixed now.
- Small bugs are fixed in IGUANA Control centre.

2 Status of Deliverables

- Working on IGNOMINY development and making it work for ORCA. The next release of IGNOMINY would have ORCA configuration. - Working on making IGNOMINY more configurable, so that one can easily generate different types of diagram easily. - Working of first release of IGUANACMS and by the end of this first week of NOV IGUANACMS_1.0.0 will be released.

3 Plans For Next Month

- Plan to release IGUANA_4.5.0 and IGUANACMC_1.0.0 - Provide IGNOMINY configurations for ORCA, and cleanup IGUANA, COBRA and OSCAR configuration of IGNOMINY - Make use of ignominy and toolchecker results to clean up the configuration, BuildFile and source code.

4 Links To Supporting Documentation

- <http://iguana.web.cern.ch/iguana/>
- <http://iguanacms.web.cern.ch/iguanacms/>
- <http://ignominy.web.cern.ch/ignominy/>